

PATENT CLAIMS

1. A pod unit comprising a pod housing (1) and an assembly unit (6), a so called seating, for the pod housing (1), the seating (6) comprising a lower portion (6A) and an upper portion (6F) as well as a base (15) for the installation of said pod housing (1) which comprises a lower casing portion (1A) for the accommodation of a propulsion unit (2, 3, 4), an intermediate portion (1B) comprising air ducts (9, 10), and an upper portion (13), which is fixedly connected to a steering engine (14, 18, 19), with a gear ring (14) to be fixed at said base (15), characterised therein that a cooling system comprising at least a fan (7) is mounted within the seating (6).
2. A pod unit according to claim 1, characterised therein that the upper edge (14B) of said gear ring (14) is provided near the lower portion (6A) of the seating, the distance between said upper edge (14B) and the shortest distance (X) to the imaginary hull line (L) of the seating being below 900 mm.
3. A pod unit according to claim 2, characterised therein that at least one cooling unit is installed within said seating.
4. A pod unit according to any of the preceding claims, characterised in a drum (29), which is installed inside the seating and which is preferably provided coaxially to and above said base (15), said drum (29) having an inlet opening (23) and an outlet opening (22), respectively, for cooling air.
5. A pod unit according to claim 4, characterised therein that said seating (6) comprises side walls (6B, 6C, 6D, 6E), and that stays (21) with holes (21A) are provided between said drum (29) and said side walls (6B-6E), said stays transmitting cargo and also enabling transport of air.
6. A pod unit according to claim 1, characterised in a mounting flange (16) intended to connect said base (15) to a bearing socket (19) for a gear ring (14) for the connection to the upper portion (4C) of the pod housing.
7. A pod unit according to claim 6, characterised therein that said gear ring (14) is arranged with the cogs (14A) on the inside thereof.

8. A pod unit according to claim 1, characterised therein that said base is provided nearer the lower portion (6A) of the seating than the upper portion (6F) of the seating.
- 5 9. A pod unit according to claim 2, characterised therein that said distance (X) is between 0.1 and 0.2 x the diameter (D) of the gear ring (14).